

C l a i m s

- 5 1. Seabed located storage for crude oil or other fluid, comprising:
a storage section in form of an oil and waterproof cloth formed as a flexible
balloon that can be filled with, store and emptied for a storage fluid,
an anchoring section formed as a substructure between a structure section and the
seabed, with means for anchoring to or stable placement on the seabed,
10 a transfer section comprising pipes and valves for loading and unloading of the
storage fluid, arranged in substance exterior to the upper part of the storage,
characterized in that the structure section is formed as an external casing over the
storage section, which structure section is closed in the upper part such that an upward
close volume of size at least corresponding to the volume of the storage section is formed,
15 but with openings to the surroundings in the lower part.
2. Storage according to claim 1,
characterized in that an oleometer and an acoustic transponder are connected for alarming
of oil leakage.
- 20 3. Storage according to claim 2,
characterized in that the oleometer is arranged with connection to a pipe from the upper
part of the closed volume of the structure section to the unloading line from the storage,
which pipe with connected oleometer also is including a remotely operatable pump to
25 pump leaked out oil into the unloading line.
4. Storage according to claims 1-3,
characterized in that valves are arranged, which valves close automatically if the loading
line, unloading line or storage section and transfer section are disconnected from the
30 storage.
5. Storage according to claims 1-4,
characterized in that instrumentation for measuring the filling volume of the storage
section is installed, readable from the surface.
- 35 6. Storage according to claim 1-5,
characterized in that one or more pumps are integrated in the storage, to ease unloading of
oil.

7. Storage according to claims 1-6,
characterized in that all valves, pumps and instruments are operatable from the surface.

8. Storage according to claims 1-7,
5 characterized in that the volume of the storage section as completely filled is about
35 000 m³ or smaller.

9. Storage according to claims 1-8,
characterized in that in top of the structure section connections are arranged, which can be
10 opened to replace the storage section, for example by leakage, and connections for
replacement of modules of the transfer section.

10. Storage according to claims 1-9,
characterized in that the storage section is fabricated from woven polyester coated on each
15 side with a chlorinated cross-bound ethylene based interpolymmer alloy, with
reinforcements and internal impermeable liner of LDPE.

11. Storage according to claims 1-10,
characterized in that two storage sections, each of about 35 000 m³, are assembled within
20 a common structure and anchoring section of steel, having dimensions 35 m x 35 m x 102
m, and weight of about 5000 tons.

12. Storage according to claim 1-10,
characterized in that the anchoring section is an integrated part of the structure section